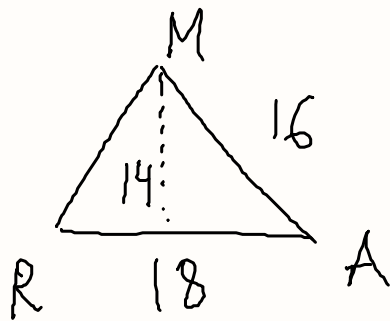


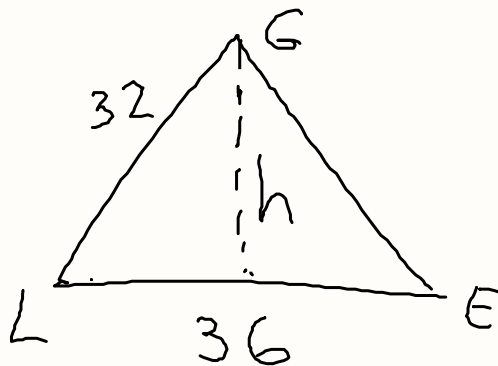
#6 p. 589

ΔARM

ΔLEG



$$\frac{14}{h} = \frac{18}{36} ; h = 28$$



$$A_{ARM} = \frac{18 \cdot 14}{2} = 9 \cdot 14 = 126 \text{ cm}^2$$

$$A_{LEG} = \frac{36 \cdot 28}{2} = 36 \cdot 14 = 504 \text{ cm}^2$$

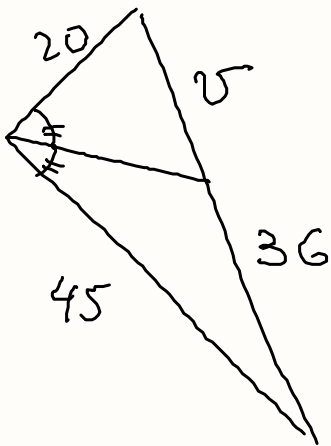
C-97 p. 588

C-97

A BISECTOR OF AN ANGLE IN A TRIANGLE
DIVIDES THE OPPOSITE SIDE INTO TWO
SEGMENTS WHOSE LENGTHS ARE
IN THE SAME RATIO AS THE LENGTHS
OF TWO SIDES FORMING THE ANGLE.

#7 p. 589

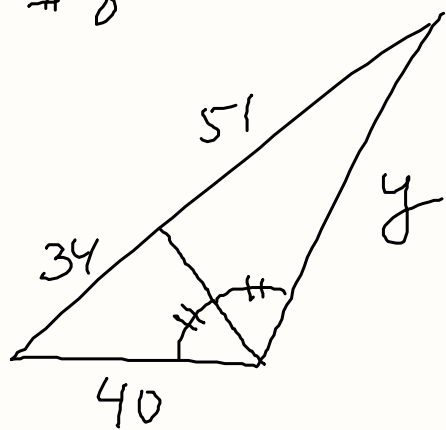
#7 p. 589



$$\frac{v}{36} = \frac{20}{45} ; 45 \cdot v = 20 \cdot 36$$
$$v = \frac{20 \cdot 36}{45} = 16$$

#8

8



$$\frac{34}{51} = \frac{40}{y}$$

$$34y = 51 \cdot 40$$

$$y = \frac{51 \cdot 40}{34} = 60 \text{ cm}$$

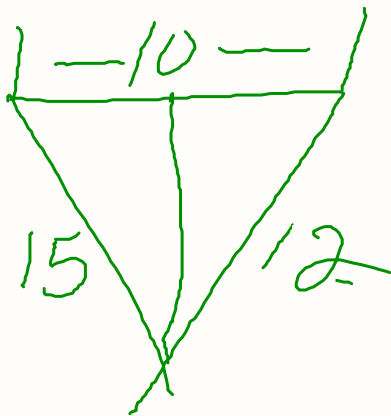
9

$x; 10-x$

p.589

11

#9 p 589



$$\frac{10-x}{15} = \frac{x}{12}$$

$$\begin{array}{rcl} 15x & = & 120 - 12x \\ + 12x & & + 12x \end{array}$$

$$\frac{27x}{27} = \frac{120}{27} \quad x = 4.4 \text{ cm}$$